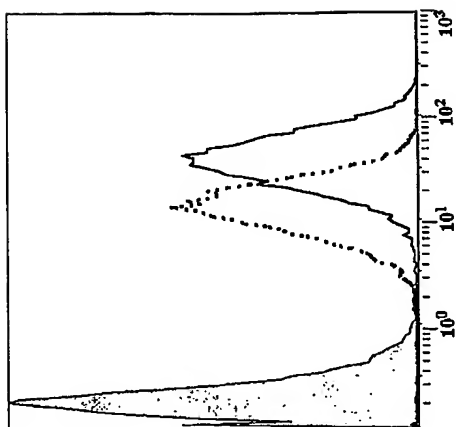
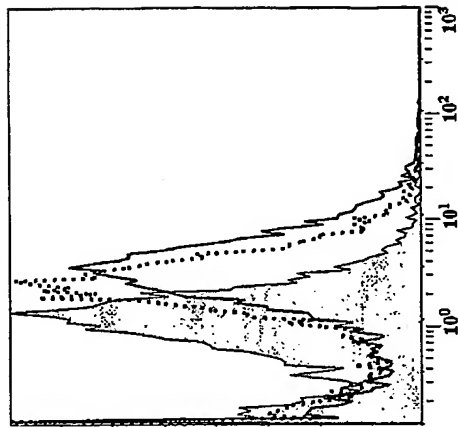


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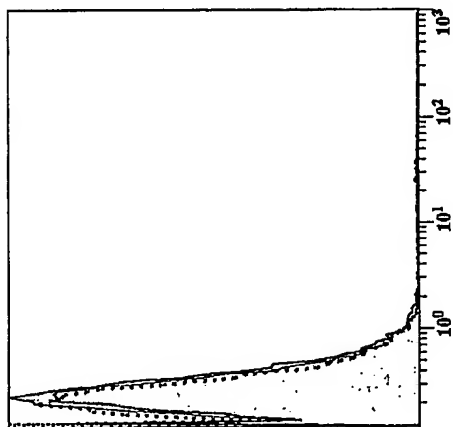
CHO/ヒトGPC3



HuH-7



CHO



HepG2

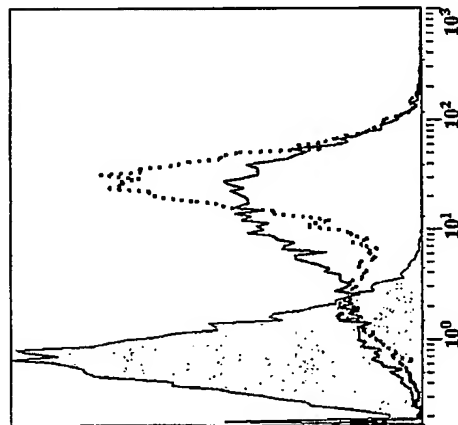


図1

Mab	示されるビオチン化 Mab の sGPC3 コアへの結合の阻害 (%)								エピトープ位置	
	M3C11	M1E7	M11F1	M6B1	M18D4	M5B9	M10D2	L9G11		
M3C11	96.8	96.2	12.0	11.2	10.3	9.1	39.9	33.1	a	
M13B3	71.3	95.7	15.6	9.3	2.7	-1.8	22.3	24.9		
M1E7	26.0	83.9	14.3	7.7	9.0	6.4	14.8	38.0		
M3B8	1.8	28.4	97.4	15.2	12.6	3.6	29.0	36.0	b	
M11F1	2.0	3.9	81.8	5.6	-1.5	5.4	24.6	20.9		
M19B11	-4.1	-9.4	3.1	87.6	44.1	31.0	14.2	-9.8	c	
M6B1	-5.7	-2.7	13.9	85.6	51.9	44.4	6.7	1.1		
M18D4	0.2	0.5	-0.3	38.6	89.0	89.4	19.1	6.7		
M5B9	0.1	2.7	5.3	23.2	77.3	77.3	13.4	10.3		
M10D2	-7.7	0.6	7.8	-5.9	-21.6	-10.3	79.2	7.2	d	
L9G11	2.1	-4.8	6.0	10.1	15.7	6.4	1.2	92.2	e	

図2

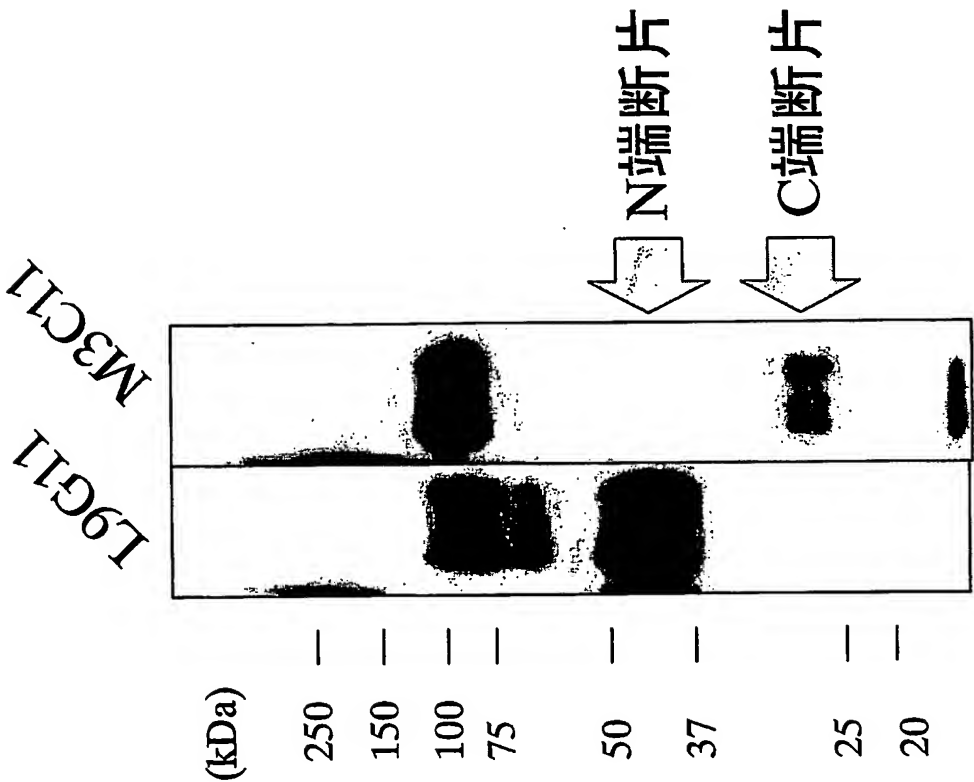


图3

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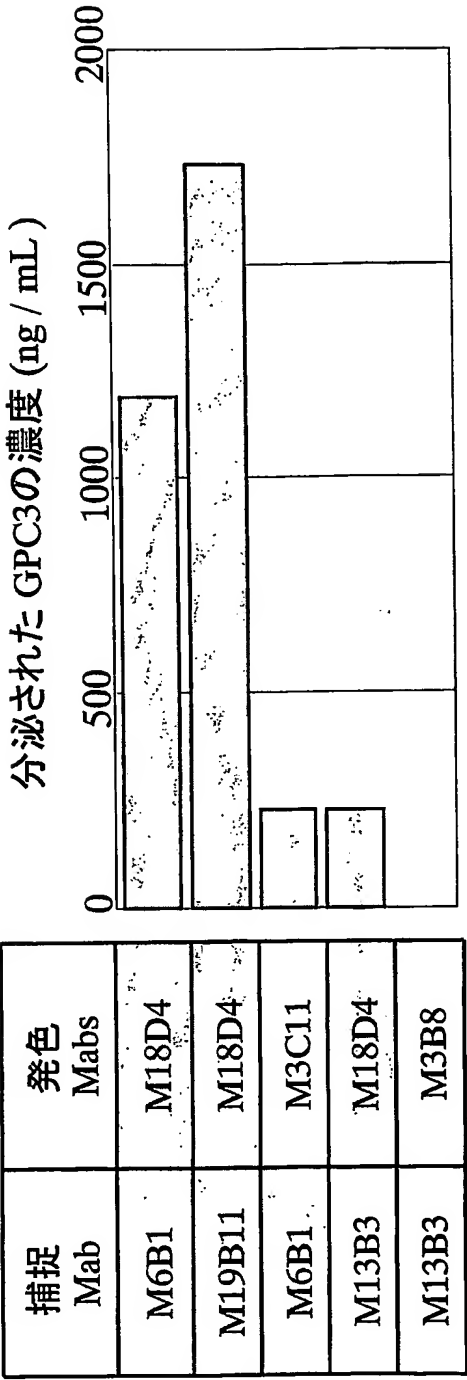


図 4

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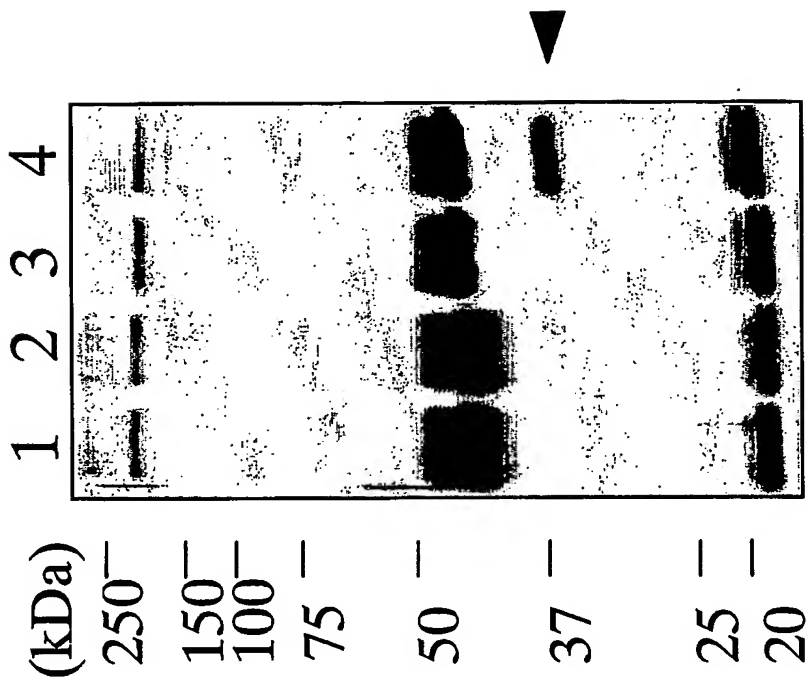


図5

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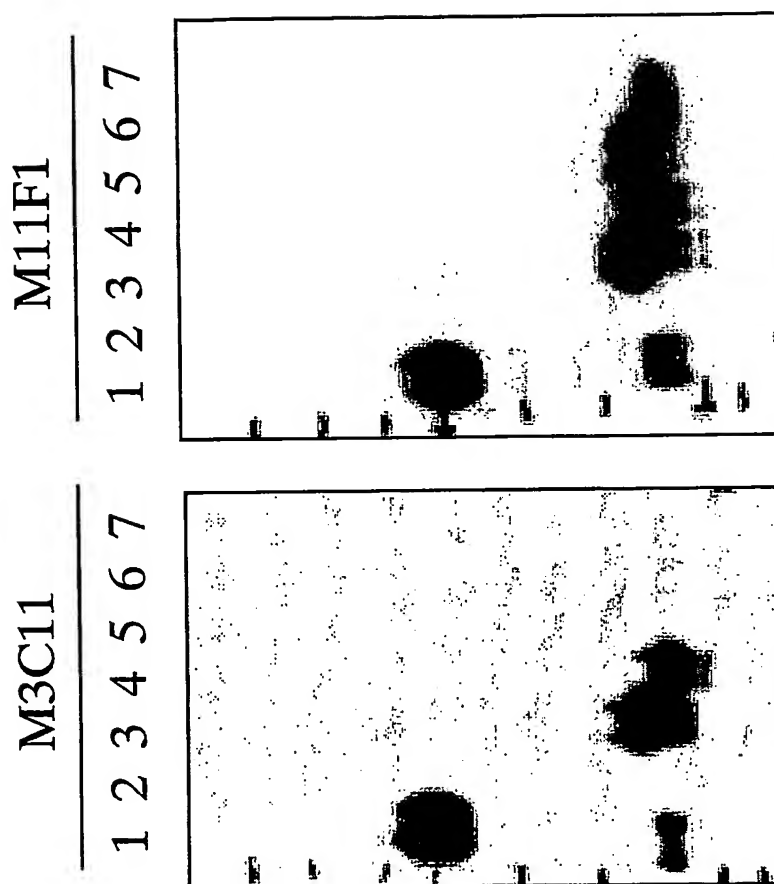


図6

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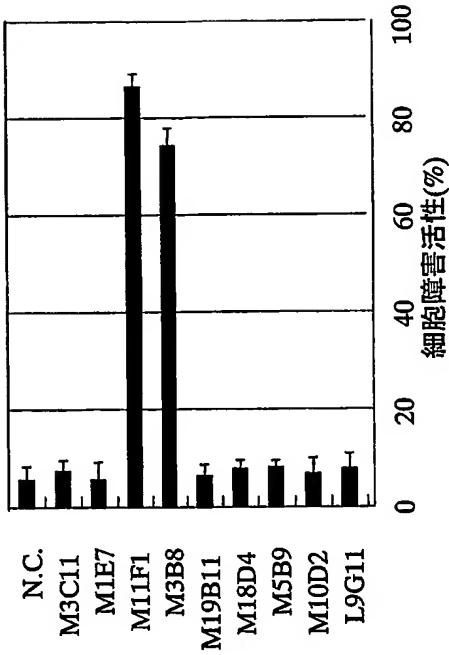


図7

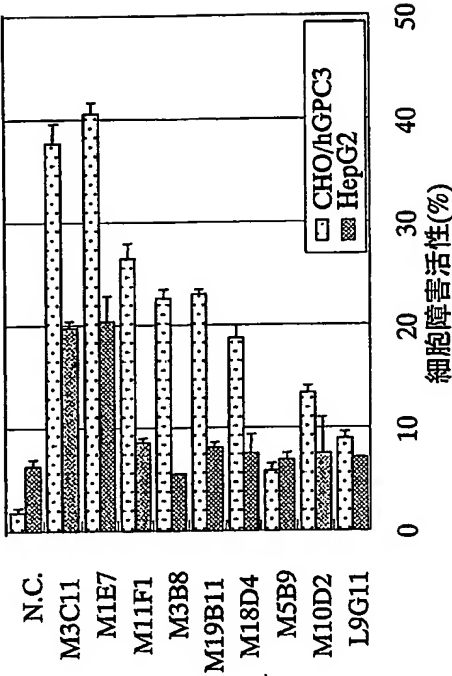


図8

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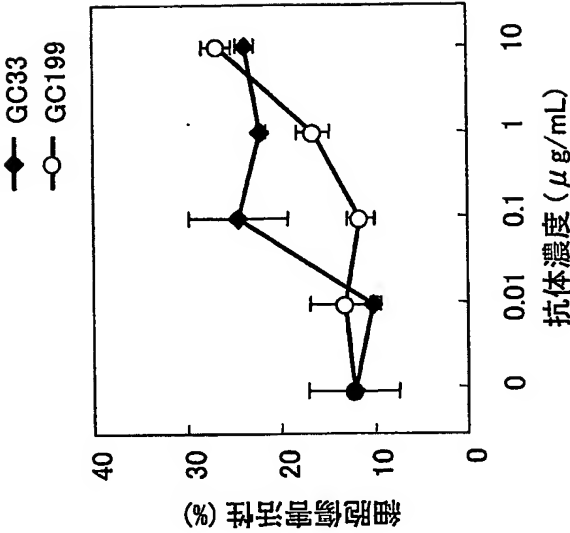


図9

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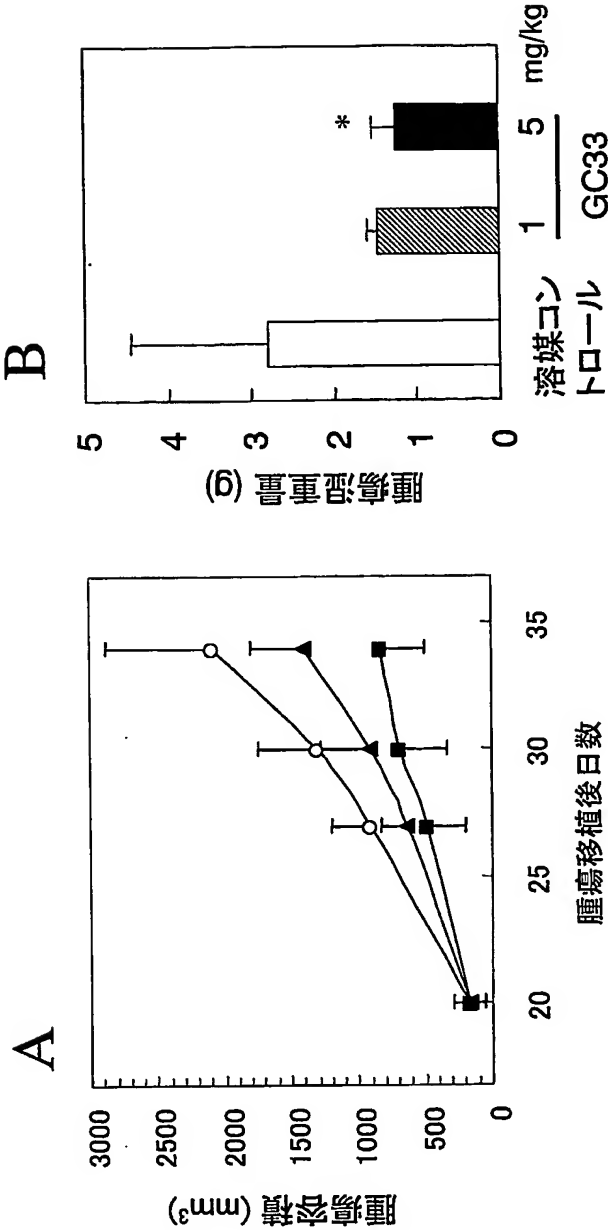


図10

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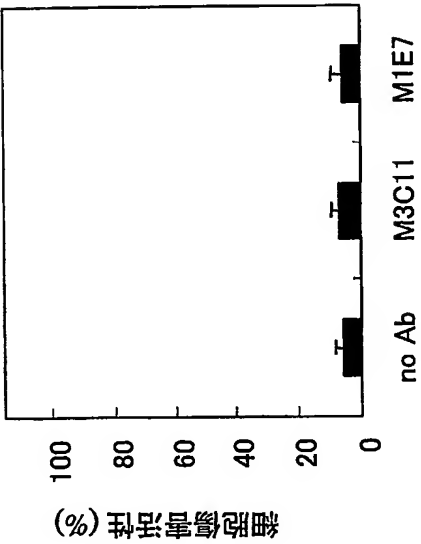
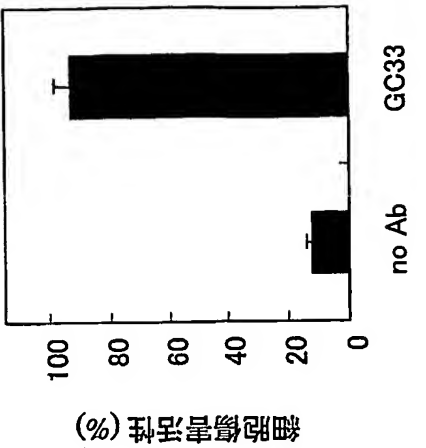


図11

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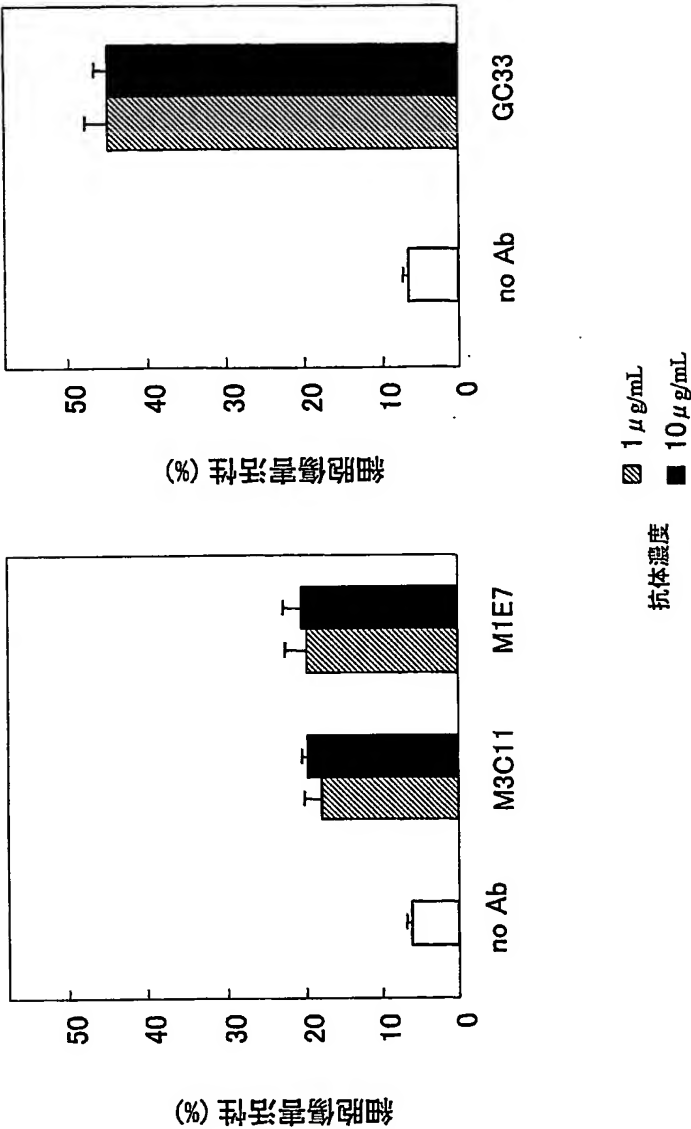


図12

GC-4	GNSQQATPKDNEISTFHN	GNVHSP	PLK	GC33
GC-5		STFHN	GNVHSP	WB
GC-6	GNSQQATPKDNEIS			O
GC-7	GNSQQATP			x
GC-8	QQATPKDN			x
GC-9	TPKDNEIS			x
GC-11	ATPKDNEIST			x
GC-12	PKDNEISTFH			O
GC-13	DNEISTFHN			O
GC-14	EISTFHN	GN		x

図13

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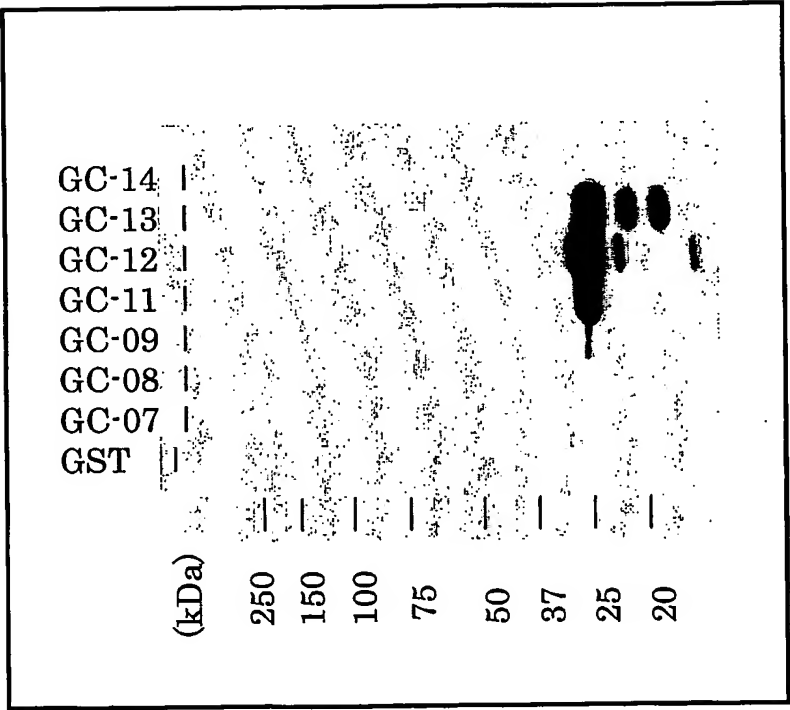


図14

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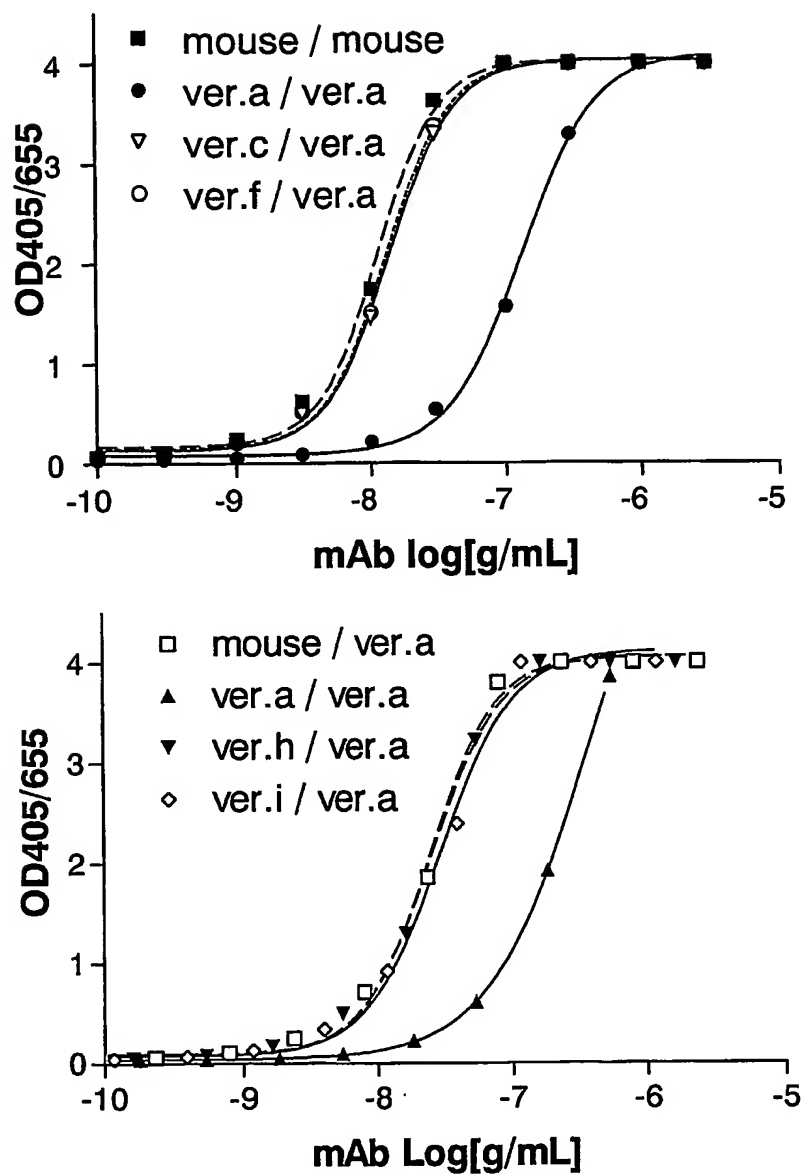


図15

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クローン ID	アイソ タイプ	ELISA		BIACORE			エピトープ		FACS				免疫 沈殿
		EC50 (nM)	ka (1/Ms /10 ⁵)	kd (1/s x10 ⁵)	KD (nM)	競合 ELISA	ウエスタン ブロットィング	CHO/ human GPC3	HepG2	HuH-7	CHO		
M3C11	IgG1	0.12	2.5	6.5	0.3	a	GC-2	83	59	9	-	△	
M13B3	IgG1	0.25	N.D.	N.D.	N.D.			N.D.	N.D.	-	N.D.	-	N.D.
M1E7	IgG1	0.96	1.5	42.7	2.8			28	16	5	-	-	×
M3B8	IgG1	0.56	2.7	467.0	17.6	b	GC-4	12	6	3	-	×	
M11F1	IgG2b	2.17	1.4	3.5	0.2			9	4	2	-	-	×
L9G11	IgG1	0.62	1.3	140.0	10.7	e	N	29	26	4	-	○	
M19B11	IgG1	0.18	1.5	17.1	1.1	c		39	44	3	-	○	
M6B1	IgG1	5.51	N.D.	N.D.	N.D.			37	34	3	-	○	
M18D4	IgG1	0.85	0.8	49.6	6.2			22	20	2	-	○	
M5B9	IgG1	1.13	0.6	139.0	23.5			25	23	2	-	○	
M10D2	IgG1	1.04	1.1	49.6	4.7			d	20	29	3	-	○

図16

クローン ID	アイソ タイプ	ELISA		エピトープ		FACS			
		EC50 (nM)	競合 ELISA	ウエスタン ブロットインゲ	CHO/ ヒト GPC3	HepG2	HuH-7	CHO	
GC199	IgG1	0.10	b	GC-4	15.5	12.2	2.4	-	
GC202	IgG1	0.10			6.0	0.9	1.4	-	
GC33	IgG2a	0.24			82.7	52.0	8.4	-	
GC179	IgG2b	5.61	f	GC-3	7.1	6.5	3.8	-	
GC194	IgG1	3.83			5.0	7.9	1.5	-	

図17

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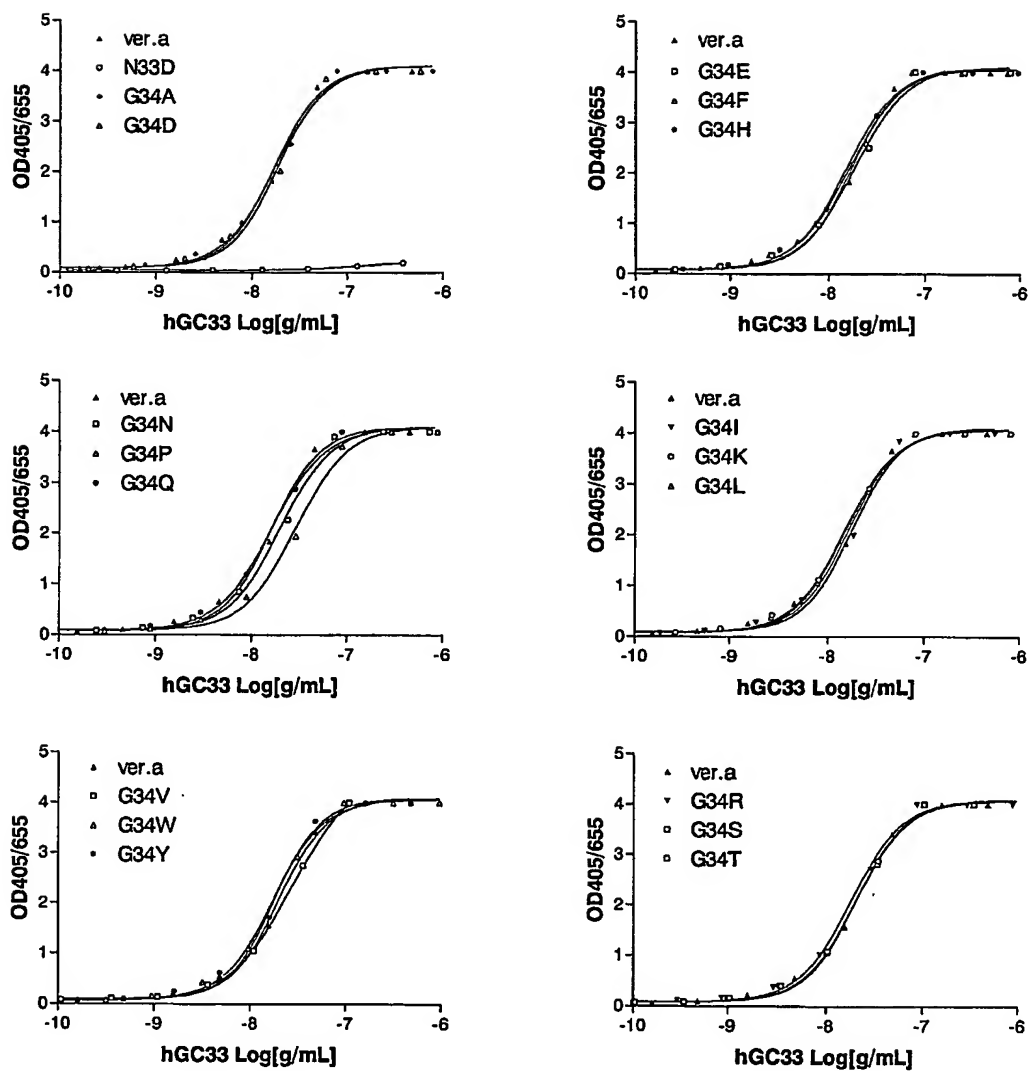


図18

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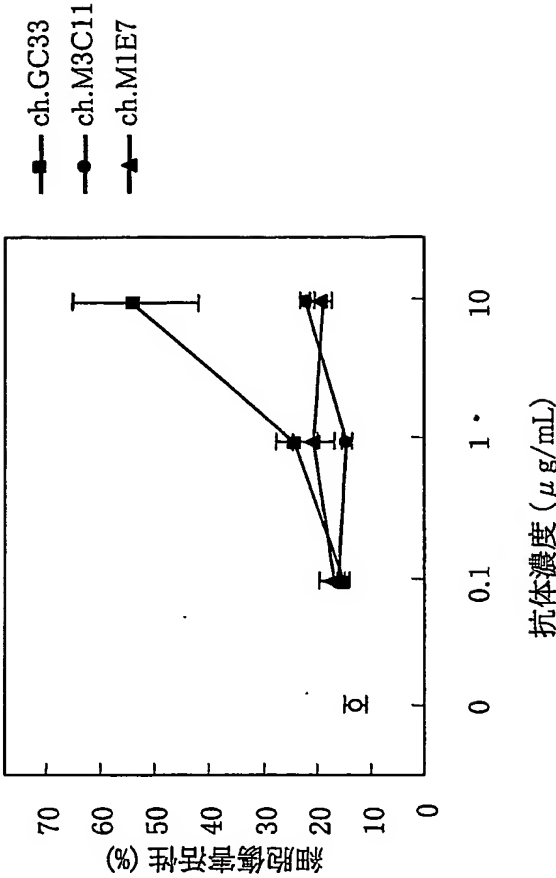


図19

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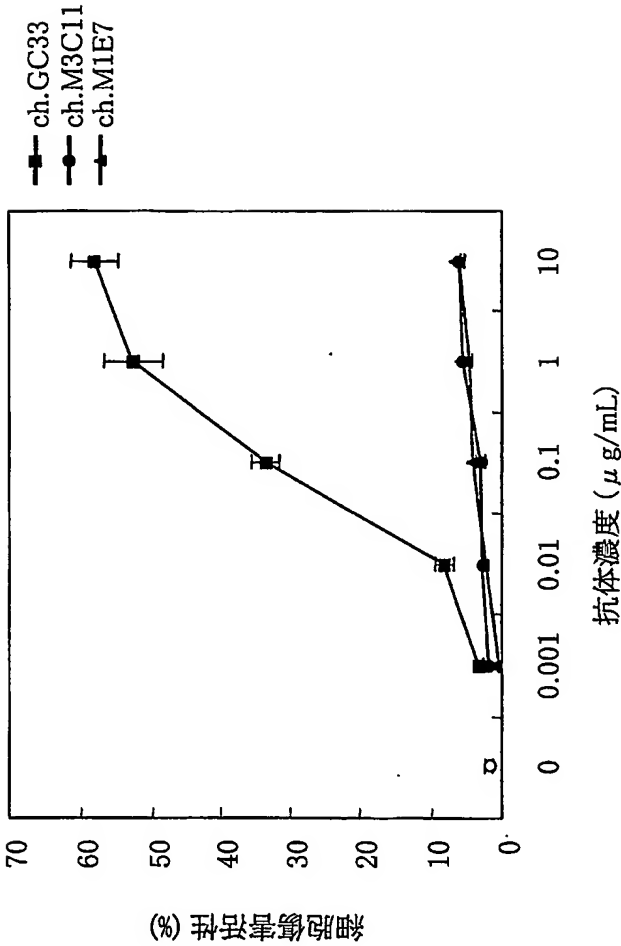


图20